

RENATUS® B3030FA

Polyplastics - Polyethylene Terephthalate

General Information

Product Description

HB, Standard

GF Reinforced, Black Color

General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
UL File Number	• E213445
Appearance	• Black
Forms	• Pellets
Part Marking Code (ISO 11469)	• >PET-GF30<

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Water Absorption (24 hr, 73°F, 0.0394 in)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	21300	psi	ISO 527-2
Tensile Strain (Break)	1.8	%	ISO 527-2
Flexural Modulus	1.51E+6	psi	ISO 178
Flexural Stress	35000	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.9	ft·lb/in ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	460	°F	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	6.0E+16	ohms·cm	IEC 60093
Electric Strength (0.118 in)	460	V/mil	IEC 60243-1
Comparative Tracking Index	200	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94